INTEL CORPORATION
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Dear iSXM 101 Customer:

Congratulations on your purchase of Intel's iSXM 101 XENIX* Extension Module. The following is a complete list of parts included.

a. iSBC 309 Memory Management MULTIMODULE
b. iSXM 101 XENIX System Extension Module Installation Guide
c. iSBC 308/309 Memory Management and Protection MULTIMODULE Board Hardware Reference Manual
d. iSXM 101 feature label
e. iSBC 309 Mounting Hardware
f. iAPX 8087 Numeric Data Processor

If you did not receive any of these items, please contact your Intel sales representative.

The iSXM 101 XENIX Extension Module has undergone a complete series of tests to ensure the integrity of this product. In addition, the iSXM 101 is covered by a 90-day warranty. A hardware maintenance contract is available for Systems 86/330X and 86/380X. Product service requires that supportable systems must be configured with terminal appearing in the TERMCAPS data base. Please contact your local Intel field service engineer for more information.

The iSXM 101 XENIX Extension Module is designed to expand the capabilities of the System 86/330A and/or the System 86/380 to support the XENIX Operating System (ie. allow conversion from a System 86/330A or a System 86/380 to a System 86/330X or a System 86/380X). The following components are required for proper installation of XENIX system software:

* XENIX is a trademark of Microsoft Corporation. System 86/330, System 86/330X, System 86/380, System 86/380X, iSBC, iSXM, iAPX and any numeric suffix are trademarks of Intel Corporation.

AN EQUAL OPPORTUNITY EMPLOYER

1. A System 86/330A or
   System 86/380 or
   an equivalent board configuration

2. XENIX 86 System Software (9 diskettes)

3. System terminal with upper/lower case capabilities.

Intel field service can perform installation of the entire XENIX system. Details are available through your Intel local field service engineer.

Included in the iSXM 101 is an iAPX 8087. When the math coprocessor is installed, all floating point instructions are executed on the iAPX 8087, yielding 100 times the performance on floating point instructions. XENIX 86 Release 2 supports the iAPX 8087 arithmetic functions to within 10 digits of accuracy. XENIX 86 Release 2 does not use the trancendental functions available on the iAPX 8087, such as exp, ln, log pow, square root, sin, cos, tan, etc. Rather, the XENIX 86 Operating System emulates these functons using the XENIX math libraries. The iAPX 8087 is used to to execute the floating point instructions generated by the math libraries.

The iAPX 8087 which you have received operates under a clock speed of 5 MHZ. When installed in the System 86/330X or System 86/380X, system performance will be limited to 5 MHZ. Without the iAPX 8087, the system may be run at 8 MHZ. For optimal system performance, we recommend installation of the iAPX 8087 if more than .8% of the executable instructions are floating point instructions.

The standard 86/330X and 86/380X systems include hardware to support one terminal; however, the System 86/330X and System 86/380X may be enhanced to support an additional four (4) upper/lower case terminals. To expand, order the following:

1. iSXM 534 Serial Communication Extension Module OR iSXM 544 Intelligent Serial Communication Extension Module

2. iSXM 952 RS232 Serial I/O Cable Extension Module for System 86/330 OR
   iSXM 953 RS232 Serial I/O Cable Extension Module for System 86/380

If you have any further questions, please feel free to contact your local Intel distributor or Intel representative.

Sincerely,

Judi Uttal

Judi Uttal
iSXM 101 Product Manager

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